

Field

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-325-A  
Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Chrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TCR31828G1EL Displacement: 5.2 Liters (318 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Heated Oxygen Sensors (two)
- Three Way Catalytic Converter
- Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.32 (0.41)	4.4 (6.7)	0.7 (0.7)	12.5 (12.5)
	100,000	0.40 (n/a)	5.5 (n/a)	0.97 (n/a)	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.20	2.9	0.1	7.5
	100,000	0.22	3.3	0.13	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 20<sup>th</sup> day of May 1996.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division



Attachment to SDS Pg 3 of 3  
Certificate #: for Executive Order A-9-325-A

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER  
Engine Family: TCR31B28G1EL  
Evaporative Fam: TCR1098AYP1B

California  
Sales  
YES

Model ID  
ZJL174

Car Line  
Grand Cherokee 4WD

Model Codes  
XJ J L 74

Body Style  
72=2 door  
74=4 door  
77=open

Trim Level  
L=Covers all trim levels

Steering and Drive Line  
B=Right Hand Steering, 2 wd-rear  
U=Right Hand Steering, 4 wd  
J=Left Hand Steering, 4 wd  
T=Left Hand Steering, 2 wd-rear

Car line  
X=Cherokee  
Y=Wrangler  
Z=Grand Cherokee

Attachment to SDS Pg 1 of 2  
For Executive Order A-9-325-A

Chrysler Corporation  
Family Tire Usage

1996  
TCR31828QTEL

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE DESCRIPTION	COAST		*BYNO		TIRE		DYNAMIC		TIRE					
							DOWN	TIME	HP	F	R	DOWN	TIME	HP	F	R				
AN1L31	ELF	80C	RM	Y	5210	C	4250	15.06	13.9	30	35	15.06	13.9	30	35	15.06	13.9	30	35	
								15.06	13.9	30	35									
								14.61	13.4	35	35									
								15.06	13.9	30	35									
								14.89	13.1	30	35									
AN1L31	ELF	DGT	RM	Y	5210	C	4250	13.68	13.3	35	35	13.68	13.3	35	35	13.68	13.3	35	35	
								14.06	13.8	35	35									
								14.06	13.8	35	35									
								14.09	13.5	30	35									
								14.09	13.5	30	35									
								14.09	13.5	30	35									
								14.10	12.8	30	35									
AN1L61	ELF	DGT	RM	Y	4770	C	4000	13.31	13.9	30	35	13.31	13.9	30	35	13.31	13.9	30	35	
								13.31	13.9	30	35									
								12.98	13.4	30	35									
								13.31	13.9	30	35									
								13.23	13.0	30	35									
								14.38	13.8	30	35									
								14.38	13.8	30	35									
								13.98	13.3	30	35									
								14.38	13.8	30	35									
								14.31	13.0	30	35									
AN1L82	ELF	DGT	RM	Y	4840	C	4000	13.31	13.9	30	35	13.31	13.9	30	35	13.31	13.9	30	35	
								13.31	13.9	30	35									
								13.31	13.9	30	35									
								13.23	13.0	30	35									
								13.70	13.1	36	36									
								13.57	13.6	36	36									
								13.41	13.4	36	36									
								14.20	13.0	36	36									
								13.60	13.4	36	36									

20.04 -0.3454 0.03921

\* - For DYNO HP = G.00  
Ref To FRONTAL AREA

/ 10. - T002 - 400 /

Report Date: 01/23/96  
Time: 07:42:04

1996  
TCR3182801EL

Chrysler Corporation  
FAMILY TIRE DESCRIPTION

Attachment to SDS Pg 2 of 2  
For Executive Order A-9-325-A

TIRE DESCRIPTION YA COD MFG DPT NAME	SIZE	CONSTRUCTION RPM COD TREAD MATERIAL	L SW SIDEWALL MATERIAL		P OVERLAY MATERIAL		TREAD DEPTH (IN.)	
			Y	SW	Y	MATERIAL	L	X
98 TMD TZA	(A/S) INVICTA-GL	755 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	10	
98 TME TZA	(A/S) INVICTA-GL	755 SBR 2-Steel/2-Polyester	4	OWL Polyester	2	None	10	
98 TML TZN	(A/S) XCH4	762 SBR 2-STEEL/2-POLYESTER	4	BSW Polyester	2	None	11	
98 TMC TZA	(A/S) INVICTA-G	791 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	10	
98 TPF TZA	(A/S) INVICTA-GL	770 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	10	
98 TPF TZN	(A/S) XCH4	770 SBR 2-Steel/1-Polyester	3	BSW Polyester	1	None	10	
98 TRD TZA	(M/S) WRANGLER HP	730 SBR 2-Steel/2-Polyester	4	OWL Polyester	2	None	10	
98 TRM TZA	(A/S) EAGLE-LS	734 SBR 2-Steel/2-Polyester	4	OWL Polyester	2	None	10	
98 TRM TZA	(A/T) WRANGLER AP	733 SBR 2-Steel/2-Polyester	4	OWL Polyester	2	None	10	
98 TRT TZA	(A/S) WRANGLER AP	735 SBR 2-Steel/2-Polyester	4	BSW Polyester	2	None	10	
98 TYR TZA	(A/T) WRANGLER QSA	728 SBR 2-Steel/2-Polyester	4	OWL Polyester	2	None	13	

/ 10 - TG02 - 401 /

Report Date: 01/23/96  
Time: 07:42:04